AMENDMENTS TO THE CLAIMS

The following is a complete, marked-up listing of revised claims with a status identifier in parentheses, underlined text indicating insertions, and strikethrough and/or double-bracketed text indicating deletions.

LISTING OF CLAIMS

1. (previously presented) A method for controlling data flow using a leaky bucket data flow control algorithm, the method comprising:

adjusting an amount of information transmitted to and from a leaky bucket using a granularity scalar parameter in a leaky bucket data full ratio of the leaky bucket data flow algorithm, the leaky bucket data full ratio indicating a current amount of data in a leaky bucket in relation to a maximum data capacity of the leaky bucket, and the granularity scalar parameter modifying the indication of the leaky bucket data full ratio.

2. (currently amended) The method according to claim 1, further comprising:

adjusting the granularity scalar parameter based upon a user determined scaling value.

3. (currently amended) The method according to claim 1, wherein the granularity scalar parameter is within a predetermined range.

4. (original) The method according to claim 2, wherein the step of adjusting is performed dynamically.

5. (cancel)

6. (previously presented) A method for data flow control comprising:

scaling a control parameter in a leaky bucket data full ratio of a leaky bucket data flow algorithm to adjust an amount of information transmitted to and from a leaky bucket, the leaky bucket data full ratio indicating a current amount of information in the

leaky bucket in relation to the maximum level of the leaky bucket, the control parameter modifying the leaky bucket data full ratio indication.

7. (original) The method according to claim 6, wherein the scaling is performed within a predetermined range.

8. (original) The method according to claim 7, wherein the predetermined range is between an empty bucket level and a maximum bucket level.

9. (original) The method according to claim 7, further comprising:
using a user defined scaling value for scaling the control parameter.

10. (cancel)

11. (previously presented) The method according to claim 7, further comprising:
dynamically adjusting a number of data bits in a leaky bucket data full ratio based upon scaling of the control parameter.

12. (original) The method according to claim 7, further comprising:
varying data flow based upon scaling of the control parameter.

13. (currently amended) A method for controlling data flow using a leaky bucket data flow control algorithm, the method comprising:
modifying a granularity scalar parameter in a leaky bucket data ratio of the leaky bucket data flow control algorithm to adjust an indication of a leaky bucket current data level relative to a leaky bucket maximum data capacity, the indication indicator provided by the bucket data full ratio, thereby enhancing leaky bucket data flow as controlled by the leaky bucket data flow control algorithm.

14. (cancel)

15. (cancel)

16. (currently amended) The method according to claim 1~~3~~5, further comprising:

establishing the <u>granularity</u> scalar ~~value~~ <u>parameter</u> based upon system requirements.

17. (original) The method according to claim 1~~3~~5, further comprising:

dynamically changing the <u>granularity</u> scalar ~~value~~ <u>parameter</u>.